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(a semi-monthly report)

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HIGHLIGHTS:

Mfg Dairy Products *US Turkey Eggs in Incubators*
Potato Production *Monthly Milk Production*
Irrigated Acres & Investment *Corn for Grain Production*

**Happy
Thanksgiving**



Manufactured Dairy Products

UTAH: American type cheese production in September 1999 totaled 3.0 million pounds, 23.6 percent above September 1998 but 18.4 percent below

August 1999. **Total cheese** output, at 6.1 million pounds, was up 15.7 percent from September 1998 but 10.1 percent below August 1999. **Swiss cheese** production totaled 2.5 million pounds, 16.3 percent above September 1998 and 8.5 percent above August 1999. **Dry whey** (human) production was 1.9 million pounds, up 14.7 percent from September 1998 and up 3.3 percent from August 1999. **Hard ice cream** production totaled 978,000 gallons, 20.7 percent above September 1998 but 2.7 percent below August 1999.

UNITED STATES: American type cheese production totaled 284 million pounds, 15.8 percent above September 1998 but 3.7 percent below August 1999. **Total cheese** output (excluding cottage cheese) was 640 million pounds, 9.5 percent above September 1998 but 1.8 percent below August 1999. **Cream cottage cheese** production was 31.2 million pounds, 1.9 percent below September 1998 and 3.0 percent below August 1999. **Lowfat cottage cheese** production was 31.5 million pounds, 4.3 percent below September 1998 and 1.9 percent below August 1999. **Butter** production was 78.8 million pounds in September, 15.5 percent above September 1998 and 19.2 percent above August 1999. **Hard ice cream** production totaled 71.3 million gallons, down 2.1 percent from September 1998.

Manufactured Dairy Production - September 1999 with Comparisons

Product	Utah			United States		
	September 1998	August 1999	September 1999	September 1998	August 1999	September 1999
1,000 Pounds						
Butter	1/	1/	1/	68,218	66,059	78,773
Total Cheese 2/	5,232	6,734	6,051	584,112	651,345	639,677
American Type Cheese	2,409	3,650	2,978	244,913	294,471	283,651
Swiss Cheese	2,145	2,299	2,495	16,397	17,343	17,307
Dry Whey, Human	1,679	1,865	1,926	83,103	85,175	88,553
1,000 Gallons						
Hard ice cream	810	1,005	978	72,851	80,599	71,345

1/ Not published to avoid disclosure of individual operations. 2/ Excluding cottage cheese.

Potato Production

UTAH: Potato production for 1999 is estimated at 580,000 hundredweight (cwt), down 20.3 percent from 1998. Acreage harvested, at 2,000 acres, is down 600 acres from last year, and the average yield of 290 cwt per acre is up 10 cwt from a year ago.

UNITED STATES: Production of fall potatoes for 1999 is forecast at 436 million cwt, up 1 percent from last year and 3 percent above 1997. Area harvested, at 1.18 million acres, is down 3 percent from last year and down less than 1 percent from two years ago. The average yield is forecast at 369 cwt per acre, a jump of 13 cwt from last year and 12 cwt above two years ago. Bumper crops in Washington and Wisconsin more than made up for a smaller crop in Idaho. Drought hurt potatoes in New York and Pennsylvania and caused scattered damage in Ohio, Indiana and Michigan. Rain at harvest time in North Dakota and Minnesota led to abandonment of several thousand acres.

Production from all four seasons is forecast at 481 million cwt in 1999, up 1 percent from last year and 3 percent above 1997. If realized, the production would be the second largest potato crop on record, 4 percent below the record large crop of 1996.

Ten Western States produced 298 million cwt in 1999, up 1 percent from each of the last two years. Acreage harvested, at 736,000 acres, decreased 1 percent from last year, while the average yield of 405 cwt per acre was up 7 cwt. Production in Idaho decreased 2 percent from last year and 4 percent from two years ago. Washington gained 2 percent and Oregon 8 percent to more than make up for Idaho's smaller production. Colorado was up 5 percent and California increased 8 percent as yields rose in both States. Montana and Nevada inched up 1 percent from a year ago. Production in Utah dropped 20 percent and New Mexico slid 6 percent.

Potatoes: Area Planted, Area Harvested, Yield, and Production, Fall Harvest by State, and United States 1998-99

State	Area Planted		Area Harvested		Yield		Production	
	1998	1999	1998	1999	1998	1999	1998	1999
	1,000 Acres				Cwt		1,000 Cwt	
Fall								
CA	10.3	9.0	10.3	9.0	360	445	3,708	4,005
CO	75.8	77.2	75.7	77.0	335	345	25,360	26,565
ID	410.0	400.0	408.0	398.0	338	339	138,000	134,980
10 SW Co	28.0	26.0	28.0	26.0	450	470	12,600	12,220
Other Id.	382.0	374.0	380.0	372.0	330	330	125,400	122,760
IN	5.3	5.2	5.0	4.9	320	270	1,600	1,323
ME	65.5	65.0	64.5	63.0	280	285	18,060	17,955
MA	2.9	2.9	2.9	2.9	235	260	682	754
MI	47.0	48.0	46.5	47.5	315	310	14,648	14,725
MN	82.0	70.0	73.0	60.0	290	340	21,170	20,400
MT	10.6	11.0	10.6	10.9	300	295	3,180	3,216
NE	22.0	21.6	21.8	21.2	375	420	8,175	8,904
NV	7.0	6.5	7.0	6.5	400	435	2,800	2,828
NM	6.2	6.6	5.9	6.6	380	320	2,242	2,112
NY	27.6	26.0	27.0	25.5	270	265	7,290	6,758
ND	126.0	121.0	122.0	112.0	235	240	28,670	26,880
OH	5.1	4.8	4.8	4.7	250	210	1,200	987
OR	59.0	56.0	58.0	55.5	452	509	26,229	28,230
Malheur	11.5	10.5	11.4	10.5	400	460	4,560	4,830
Other Or	47.5	45.5	46.6	45.0	465	520	21,669	23,400
PA	14.5	14.5	14.0	14.0	240	220	3,360	3,080
RI	0.7	0.6	0.7	0.6	210	225	147	135
SD	5.0	3.5	4.8	3.4	260	290	1,248	986
UT	2.7	2.0	2.6	2.0	280	290	728	580
WA	165.0	170.0	165.0	170.0	565	560	93,225	95,200
WI	84.5	86.0	83.5	85.0	370	410	30,895	34,850
WY	0.4	0.5	0.4	0.5	300	295	120	148
Total Fall	1,235.1	1,207.9	1,214.0	1,180.7	356	369	432,737	435,601
US 1/	1,416.6	1,382.7	1,387.7	1,348.7	343	357	475,771	481,482

1/ Includes fall, winter, spring, and summer potatoes.

Utah Irrigated Acres and Investment

UTAH: The amount of farm land irrigated in Utah was down 1 percent in 1998 compared to 1994; and investment in irrigation equipment, facilities, and land improvements was down 26 percent during 1998 compared to the same benchmark year, according to the 1998 Farm and Ranch Irrigation Survey.

Total acres irrigated during 1998 in Utah at 1,076,346 acres, include 645,592 acres irrigated by gravity flow methods and 427,319 acres irrigated by sprinkler irrigation systems.

A total of \$10.3 million dollars was invested in irrigation equipment, facilities, and land improvements by Utah farmers and ranchers in 1998 including \$8.2 million in equipment and machinery, \$1.2 million in construction of permanent storage and distribution systems, \$0.5 million on land clearing and leveling, \$0.3 million on new construction and deepening of wells, and \$0.1

million on computers and software for irrigation, water management, and water distribution.

UNITED STATES: Nationally, farmers irrigated eight percent more land in 1998, at 50,028,439 acres than in 1994 when they irrigated 46,418,380 acres. Investment at \$1.1 billion dollars was 33 percent higher than 1994 which was \$.8 billion.

Results from the 1998 Farm and Ranch Irrigation Survey provides a snap shot of irrigation practices in the agricultural industry during 1998 and shows interesting trends since the last survey was conducted in 1994. The survey is conducted nationally every five years and data is published by state and water resource area. Results of the survey are available in book form, CD, and on the Internet at <http://www.usda.gov/nass>

Irrigated Acres by Practice: Utah and United States, 1994 & 1998 ^{1/}

Method	Utah			United States		
	1998	1994	1998/94	1998	1994	1998/94
 Acres		Percent Acres		Percent
Gravity Flow	645,592	742,598	87	25,081,456	25,087,013	100
Sprinkler systems:						
Center pivot	109,014	138,017	79	17,304,580	14,847,004	117
Sideroll, wheel move, etc.	233,283	na		1,886,814	na	
Linear Move Tower	10,214	na		257,602	na	
Big gun	938	na		700,364	na	
Hand move	70,617	71,744	98	1,704,048	1,932,141	88
Solid set or permanent	3,253	5,572	58	1,129,210	1,003,139	113
All sprinkler systems	427,319	414,922	103	22,962,618	21,455,619	107
Total ^{2/}	1,076,346	1,085,083	99	50,028,439	46,418,380	108

^{1/} Excludes abnormal and horticulture specialty farms, 1994 excludes Alaska and hawaii from U. S. Totals. ^{2/} Total does not add due to rounding.

Investment in Irrigation Equipment, Facilities, and Land Improvement by Item, Farm Numbers and Amount: Utah & United States, 1998 & 1994 ^{1/}

Item	Utah			United States		
	1998	1994	1998/94	1998	1994	1998/94
 \$1,000		Percent \$1,000		Percent
Equipment & Machinery	8,206	9,697	85	643,349	572,599	112
New construction, wells	329	398	83	138,383	92,328	150
Storage, distribution Sys.	1,184	2,018	59	189,940	81,937	232
Land clearing, leveling	511	1,805	28	82,958	51,062	162
Computers for irr. Mgt.	71	na		7,416	na	
Total ^{2/}	10,302	13,917	74	1,062,047	797,927	133

^{1/} Excludes abnormal and horticulture specialty farms, 1994 excludes Alaska and hawaii from U. S. Totals. ^{2/} Total does not add due to rounding.



U.S. Turkey Eggs in Incubators

Turkey eggs in incubators on November 1, 1999 totaled 28.9 million, up 5 percent from November 1 a year ago. Eggs in incubators were up 2 percent from the October 1 total of 28.3 million. Regional changes from the previous year were: East North Central, down 4 percent; West North Central, up 16 percent; North and South Atlantic, up 3 percent; South Central, up 2 percent; and West, down 6 percent.

The 22.3 million poultz placed during October 1999 were down 2 percent from the number placed during the same month a year ago. Placements were up 2 percent from the September total of 21.8 million. Regional changes from the previous year were: East North Central, down 9 percent; West North Central, up 7 percent; North and South Atlantic, down 7 percent; South Central, up 3 percent; and West, down 10 percent.

Monthly Milk Production

Milk production in the 20 major States during October totaled 11.6 billion pounds, up 4.3 percent from production in these same States in October 1998. September revised production, at 11.2 billion pounds was up 4.9 percent from September 1998. The September revision represented a decrease of 0.3 percent or 37 million pounds from last months preliminary production estimate. **Production per cow**

in the 20 major States averaged 1,496 pounds for October, 50 pounds above October 1998. **The number of cows** on farms in the 20 major States was 7.75 million head, 57,000 head more than October 1998 but 1,000 head less than September 1999. October is the first month that the dairy cow herd has not expanded from the previous month in the 20 major States since February of this year. The total increase from February to September was 51,000 head of cows.

1999 Corn for Grain Production

UTAH: Corn for grain production is forecast at 3.15 million bushels, down 7 percent from 1998. Yield on November 1, 1999 was 143 bushels per acre, 2 bushels above 1998. Acreage for harvest is estimated at 22,000 acres, down 2,000 acres from last year.

UNITED STATES: Corn grain production is forecast at 9.54 billion bushels, up 1 percent from last month but down 2 percent from 1998. Based on November 1 conditions, yields are expected to average 134.5 bushels per acre, up 1.0 bushel from last month and up 0.1 bushel from a year ago. If realized, this would be the third largest production and the second highest yield on record. Acreage for harvest is estimated at 70.9 million acres, unchanged from last month. Ideal weather conditions allowed rapid harvest progress and limited harvest loss throughout the Corn Belt.